IN THE CLAIMS:

(Currently Amended) A method of fabricating a holographic mask comprising the 1 1. 2 steps of: providing an illumination source for generating a coherent illumination a) 3 beam directed along an axis; 4 providing a non-opaque object mask having substantially planar regions 5 b) capable of transmitting a portion of said illumination beam as undiffracted 6 7 reference wavefronts, and having one or more substantially transparent 8 elements for creating overlapping object wavefronts when said 9 illumination beam is incident thereon; 10 c) disposing said object mask in said illumination beam; 11 d) providing a holographic recording medium in said illumination beam in 12 line optically with said object mask, wherein said holographic recording 13 medium has a central region an area; 14 e) illuminating said object mask with said illumination beam, wherein said 15 illumination beam directed along said axis causes said object mask to 16 allow said transmitted undiffracted reference wavefronts to pass 17 therethrough to reach reach said area, wherein said object mask does not 18 shadow said central region of said holographic recording medium from 19 said undiffracted reference wavefronts, and wherein said illumination beam directed along said axis causes said one or more substantially 20 21 transparent elements to create said object wavefronts which interact with said undiffracted reference wavefronts to create an interference pattern at 22

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22	said area; and
23	salu alea, allu

- recording said interference pattern in at least central region said area of f) 24 said holographic recording medium. 25
- (Previously presented) A method of fabricating a holographic mask according to 2. 1 claim 1, wherein said one or more substantially transparent elements are selected 2 from the group of substantially transparent elements consisting of a phase-altering 3 element, a scattering element, a refracting element, and a diffracting element. 4
- (Previously presented) A method of fabricating a holographic mask according to 1 3. claim 1, wherein said step e) involves scanning said illumination beam over said 2 3 object mask during said recording of said interference pattern.
 - 4. (Cancel)
- 5. (Previously presented) A method of fabricating a holographic mask according to 1 2 claim 1, wherein said at least one or more substantially transparent elements 3 comprise an array of substantially transparent elements.

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6-19. Cancel

- 20. (Currently Amended) A method of fabricating a holographic mask as in claim one of claims 2, 7, 12 or 17, wherein said one or more substantially transparent elements are phase-altering elements which are indentations in said object mask.
- 1 21. (Withdrawn) A method of fabricating a holographic mask as in claim one of
 2 claims 2, 7; 12 or 17; wherein said one or more said phase-altering elements are
 3 islands of transparent material.
- 1 22. (Withdrawn) A method of fabricating a holographic mask as in <u>claim</u> one of claims 2, 7, 12 or 17, wherein said one or more scattering elements are diffusers.
- 1 23. (Withdrawn) A method of fabricating a holographic mask as in <u>claim</u> one of
 2 claims 2, 7, 12 or 17, wherein said one or more scattering elements has a preferred
 3 directionality.
- 1 24. (Withdrawn) A method of fabricating a holographic mask as in <u>claim</u> one of claims 2, 7, 12 or 17, wherein said one or more refracting elements are lenslets.
- 1 25. (Withdrawn) A method of fabricating a holographic mask as in <u>claim</u> one of claims 2, 7, 12 or 17; wherein said one or more diffracting elements are gratings.
- 1 26. (Withdrawn) A method of fabricating a holographic mask as in <u>claim</u> one of claims 2, 7, 12 or 17, wherein said one or more diffracting elements are holograms.

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27-69 (Canceled)

1	70. (Previously presented) A method as recited in claim 1, wherein said recording step
2	(f) includes recording said interference pattern in said holographic recording
3	medium without "clipping" or "bottoming out" of the interference pattern.
1	71. (Previously presented) A method as recited in claim 70, wherein said recording
2	step (f) includes controlling exposure time, intensity of illumination, and
3	developing procedure to avoid said "clipping" or said "bottoming out."
1	72. (Previously presented) A method as recited in claim 1, further comprising the step
2	of transferring said recording of said interference pattern to a durable substrate to
3	provide a durable holographic mask.
1	73. (Previously presented) A method as recited in claim 1, wherein in said providing
2	step (b) said non opaque object mask has a semi-transparent layer with an optical
3	density between 0.1 and 5.0.
1	74. (Previously presented) A method as recited in claim 1, wherein in said
2	illuminating step (e) said reference wavefronts and said object wavefronts have a
3	beam intensity ratio between 0.1:1 and 100:1.
1	75. (Previously presented) A method as recited in claim 1, wherein said recoding step
2	(f) involves recording said interference pattern in said holographic recording
3	medium so as to create a substantially continuous diffracting region over said
4	holographic recording medium.

76. (Previously presented) A method as recited in claim 1, wherein said providing a
non-opaque mask step (b) comprises the step of photolithgraphically defining
regions on a substrate and etching said regions to provide indentations, islands,
scattering elements, lenslets, or grating elements for providing said substantially
transparent elements.

77. (Canceled)

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78. (Currently Amended) A method as recited in claim 73, wherein said recording step (f) includes controlling exposure time, intensity of illumination, and developing procedure to avoid said "clipping" or said "bottoming out."

79-89. (Canceled)

- 90. (Previously presented) A method as recited in claim 72, wherein said recording of said interference pattern overlies said durable substrate and wherein said step of transferring said recording of said interference pattern to a durable substrate involves etching said durable substrate as masked by said overlying recording of said interference pattern.
- 91. (Previously presented) A method of fabricating a holographic mask according to claim 73, wherein said semi-transparent layer is chrome.

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